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6. (amended) A method according claim 1, wherein the polymer substrate is a polyolefine type, such as PE, PP, or an aryl type, such as styrene, a diene type, such as polybutadiene, polyisoprene, a silicone type, such as silicone rubber, a fluorine type, such as polytetrafluorethylene or its copolymers.

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7. (amended) A method according to claim 1, wherein the polymer substrate is a PTFE PP.

8. (amended) A method according claim 1, wherein step a) comprises the generation of radicals b) use of a gas plasma generated by excitation of the gas in a direct current (DC), low frequency (LF), audio frequency (AF), radio frequency (RF) or microwave generated electric field.

9. (amended) A method according to claim 1, wherein the monomer pressure in step b) is between 0.1 and 100000 Pa.

10. (amended) A method according to claim 1, wherein the generation step a) is carried out for a period of between 0.01 and 1,000 seconds, and the treatment step b) is carried out for a period of between 0.1 and 1,000 seconds.

A³ 13. (amended) A method according to claim 1, wherein the temperature is the same under both step a) and step b), and preferably the temperature under both step a) and step b) is between 250 and 450 K.

14. (amended) A method according to claim 1, wherein the total pressure under step a) is equal to the total pressure under step b) and between 0.2 and 100000 Pa, more preferably between 0.2 and 10,000 Pa.

A⁴ 16. (amended) A polymer substrate metallized according to the method of claim 1.

Please add the following claims:

A⁵ 17. (new) A method according to claim 9, wherein the monomer pressure in step b) is between 10 and 1,000 Pa.

18. (new) The method according to claim 13, wherein the temperature is between 280 and 330 K.

19. (new) The method according to claim 14, wherein the total pressure is between 0.2 and 10,000 Pa.

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Respectfully signed,

Abstract

4. (amended) A method according to each of the preceding claims 1, 2 or 3, wherein step b) comprises treatment of the surface with a monomer vapour comprising 0.5 to 90 mole-%, preferably between 10 and 60 mole % of 2-ethyl cyano acrylate vapour.

6. (amended) A method according to each of the preceding claims 1, wherein the polymer substrate is a polyolefine type, such as PE, PP, or an aryl type, such as styrene, a diene type, such as polybutadiene, polyisoprene, a silicone type, such as silicone rubber, a fluorine type, such as polytetrafluorethylene or its copolymers.

7. (amended) A method according to each of the preceding claims 1-5, wherein the polymer substrate is a PTFE PP.

8. (amended) A method according to each of the preceding claims 1, wherein step a) comprises the generation of radicals
b) use of a gas plasma generated by excitation of the gas in a direct current (DC), low frequency (LF), audio frequency (AF), radio frequency (RF) or microwave generated electric field.

9. (amended) A method according to each of the preceding
claims 1, wherein the monomer pressure in step b) is between
0.1 and 100000 Pa, preferably between 10 and 1000 Pa.

10. (amended) A method according to each of the preceding
claims 1, wherein the generation step a) is carried out for a
period of between 0.01 and 10001,000 seconds, and the
treatment step b) is carried out for a period of between 0.1
and 10001,000 seconds.

13. (amended) A method according to each of the preceding
claims 1, wherein the temperature is the same under both step
a) and step b), and preferably the temperature under both step
a) and step b) is between 250 and 450 K, most preferably
between 280 and 330 K.

14. (amended) A method according to each of the preceding
claims 1, wherein the total pressure under step a) is equal to
the total pressure under step b) the total pressure is
preferably and between 0.2 and 100000 Pa, more preferably
between 0.2 and 10000 Pa 10, and most preferably between 10 and
1000000 Pa.

16. (amended) A polymer substrate metallized according to the
method of each of the preceding claims 1-15 1.